

# MATERIAL SAFETY DATA SHEET

## MAXI-CLEAR

### Maxi-Clear Spa Calcium Preventer

#### 1. Product And Company Identification

**Supplier**

Maxi Clear  
1400 Bluegrass Lakes Parkway  
Alpharetta, GA 30004 United States

Telephone Number: (770) 521-5999

FAX Number: (770)521-5959

**Manufacturer**

Advantis Technologies Inc.  
1400 Bluegrass Lakes Parkway  
Alpharetta, GA 30004 United States

Telephone Number: (770) 521-5999

FAX Number: (770) 521-5959

**Supplier Emergency Contacts & Phone Number**

CHEMTREC - DAY OR NIGHT: (800) 424-9300

**Manufacturer Emergency Contacts & Phone Number**

CHEMTREC - DAY OR NIGHT: (800) 424-9300

Issue Date: 04/16/2001

Product Name: Maxi-Clear Spa Calcium Preventer

CAS Number: Not Established

Chemical Family: Di Phosphonic Acid

Chemical Formula: Proprietary Mixture

MSDS Number: 70

#### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
1-HYDROXYETHYLIDENE-1,1-DIPHOSPHONIC ACID	2809-21-4	

Ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% or more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available in 29CFR 1910.1200(i)(1).

#### 3. Hazards Identification

**Primary Route(s) Of Entry**

Skin Contact

**Eye Hazards**

Corrosive to eyes. Causes irreversible eye damage.

**Skin Hazards**

Causes skin irritation.

**Ingestion Hazards**

If ingested, get immediate medical attention

**Inhalation Hazards**

Causes respiratory tract irritation.

**Signs And Symptoms**

Irritation of Eyes and Respiratory Passages

**Conditions Aggravated By Exposure**

May aggravate Anemia.

May decrease affinity of Hemoglobin for Oxygen

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### First Aid (Pictograms)



### 4. First Aid Measures

#### Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

#### Skin

In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

#### Ingestion

Drink large amounts of water or milk. Do not induce vomiting. Contact a physician or poison control.

#### Inhalation

If inhaled, remove to fresh air. Consult a physician. If breathing is difficult, give oxygen.

#### Note To Physician

May Aggravate Anemia. May Decrease affinity of Oxygen for hemoglobin

### Fire Fighting (Pictograms)



### 5. Fire Fighting Measures

Flash Point: n/a °F

#### Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire.

#### Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

### 6. Accidental Release Measures

Clean up spill immediately. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Use appropriate containers to avoid environmental contamination.

### Handling & Storage (Pictograms)



### 7. Handling And Storage

#### Handling And Storage Precautions

Keep out of reach of children. Store material in a cool and dry place. Store away from strong oxidizers and caustics. Store in sealed containers.

#### Storage Precautions

Store in a cool dry place. Store away from oxidizers and caustics

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## Maxi-Clear Spa Calcium Preventer

### 7. Handling And Storage - Continued

#### Work/Hygienic Practices

Use safe chemical handling procedures suitable for the hazards presented by this material.

#### Protective Clothing (Pictograms)



### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Local exhaust acceptable. Special exhaust not required

#### Eye/Face Protection

Safety glasses with side shields or goggles.

#### Skin Protection

Chemical-resistant gloves.

#### Respiratory Protection

General room ventilation is normally adequate.

### 9. Physical And Chemical Properties

#### Appearance

Clear Blue liquid

#### Odor

Mild

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** n/a °F

**Boiling Point:** 212 °F

**Specific Gravity:** 1.01-1.02

**Molecular Weight:** NOT DETERMINED

**Percent Volatiles:** NOT DETERMINED

**Vapor Pressure:** NOT DETERMINED

**pH Factor:** <2

**Solubility:** SOLUBLE IN WATER

**Evaporation Rate:** NOT DETERMINED

Corrosive

### 10. Stability And Reactivity

**Stability:** STABLE

**Hazardous Polymerization:** WILL NOT OCCUR

#### Conditions To Avoid (Stability)

Avoid contact with strong acids and alkalis and contact with metal salts of sulfides and sulfites, strong oxidizers and amines.

#### Incompatible Materials

Avoid contact with strong acids and alkalis and contact with metal salts of sulfides and sulfites, strong oxidizers and amines.

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### 10. Stability And Reactivity - Continued

#### Hazardous Decomposition Products

Toxic phosphines may form if the water is completely removed. Oxides of carbon and Nitrogen may also be formed

### 11. Toxicological Information

#### Conditions Aggravated By Overexposure

May Aggravate Anemia

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Refer to applicable local, state and federal regulations as well as industry standards. Incineration recommended.

### 14. Transport Information

#### Proper Shipping Name

CORROSIVE LIQUID, ACIDIC, ORGANIC N.O.S. (Contains 1-Hydroxyethylidene,1,1-diphosphonic Acid)

#### Hazard Class

8.PGIII (<=4L Consumer Commodity ORM-D)

#### DOT Identification Number

UN3265

#### DOT (Pictograms)



### 15. Regulatory Information

#### Canadian Regulatory Information

Class B - Combustible or Flammable Material,

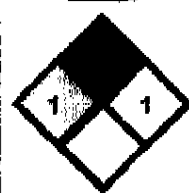
Class D, Div 2b - Poisonous or Infectious Material: other toxic effects,

Class E - Corrosive Material

#### WHMIS - Canada (Pictograms)



#### NFPA



#### HMIS

HEALTH	1
HAZARD	0
REACTIVITY	1
PERSONAL PROTECTION	E

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### **16. Other Information**

#### **Revision/Preparer Information**

**MSDS Preparer: JHW3**

**This MSDS Superceeds A Previous MSDS Dated: 08/30/2000**

#### **Disclaimer**

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**Maxi Clear**

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